

INTERRUPT SCHEME FOR AN INPUT/OUTPUT DEVICE
Inventors: Gary Tsao, et al.
Docket No.: P19002
Sheet 1/16

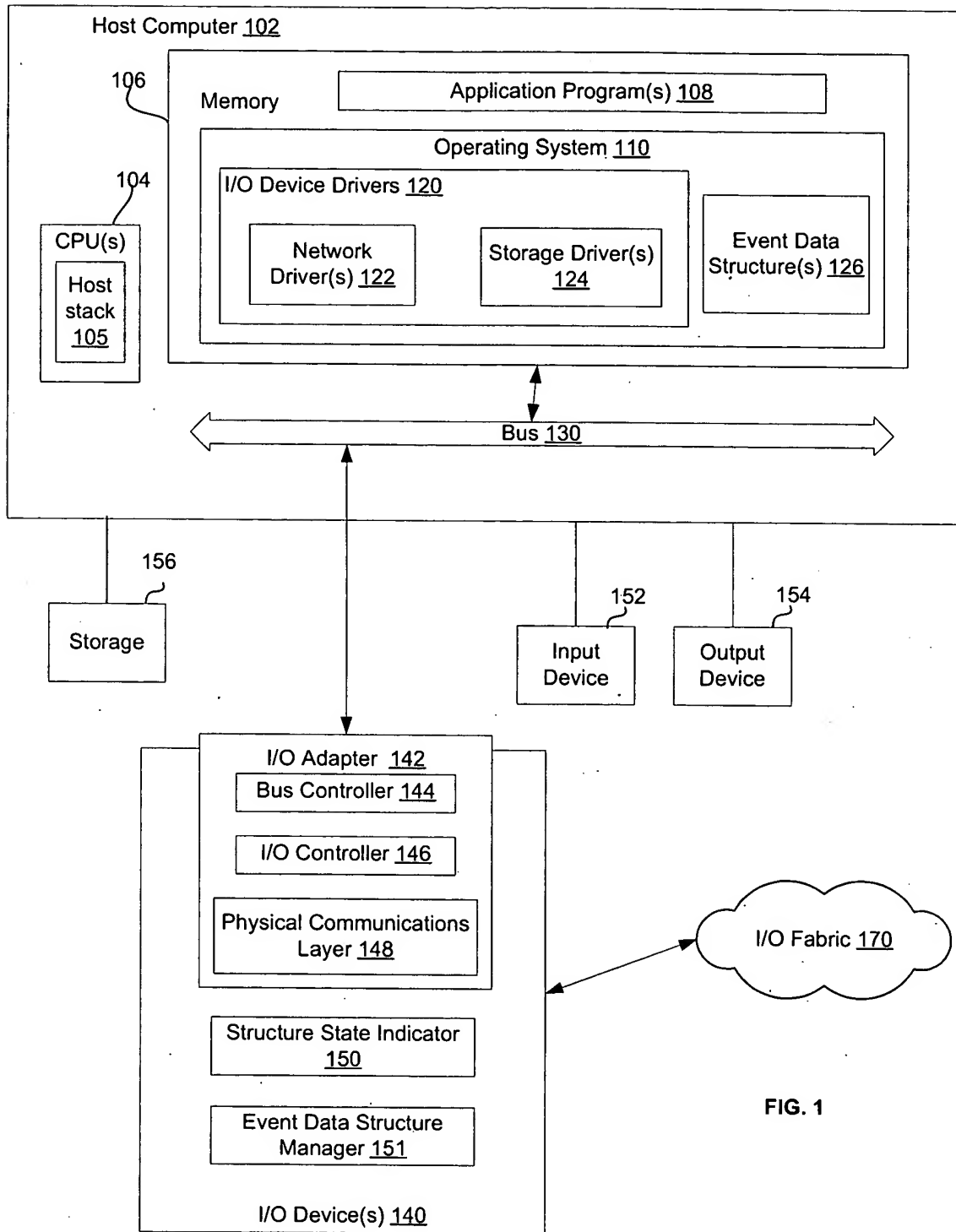


FIG. 1

INTERRUPT SCHEME FOR AN INPUT/OUTPUT DEVICE

Inventors: Gary Tsao, et al.

Docket No.: P19002

Sheet 2/16

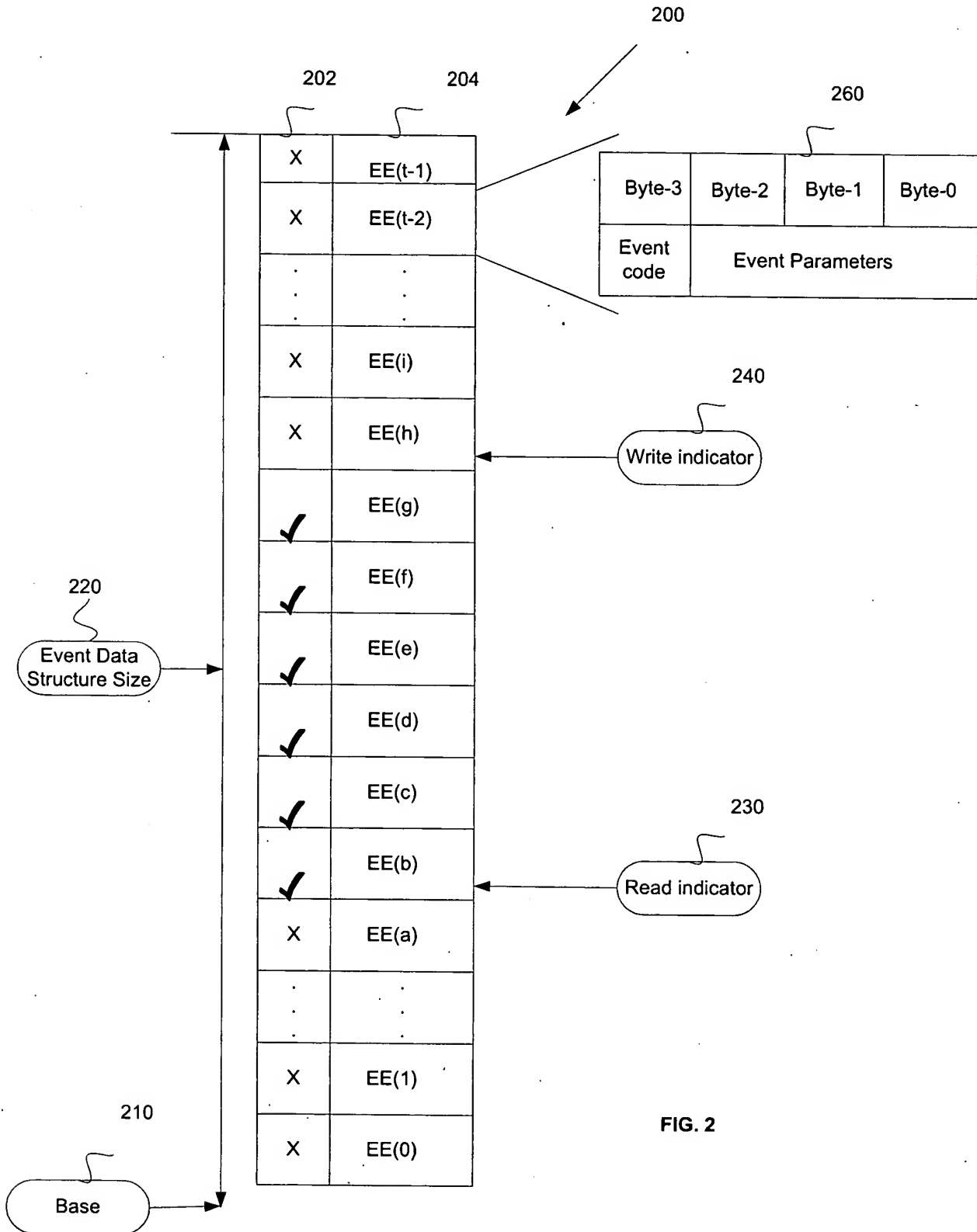


FIG. 2

INTERRUPT SCHEME FOR AN INPUT/OUTPUT DEVICE

Inventors: Gary Tsao, et al.

Docket No.: P19002

Sheet 3/16

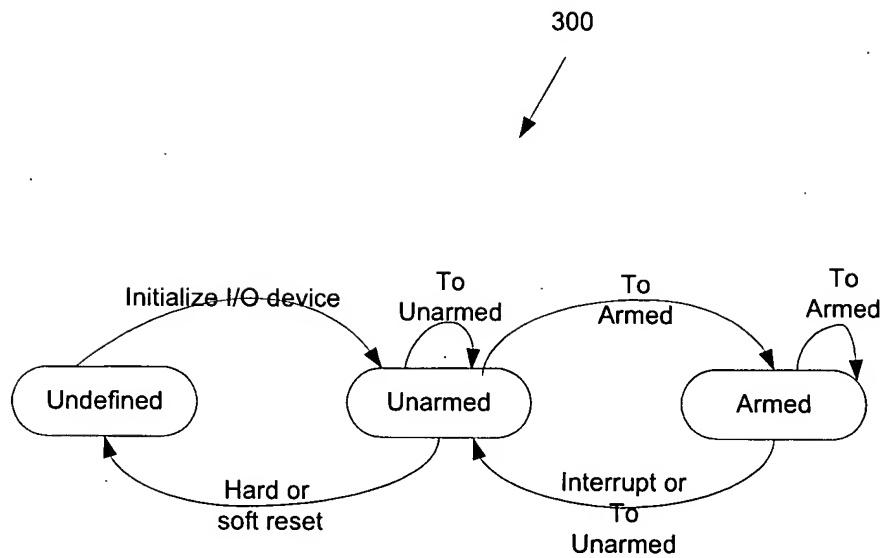


FIG. 3

INTERRUPT SCHEME FOR AN INPUT/OUTPUT DEVICE

Inventors: Gary Tsao, et al.

Docket No.: P19002

Sheet 4/16

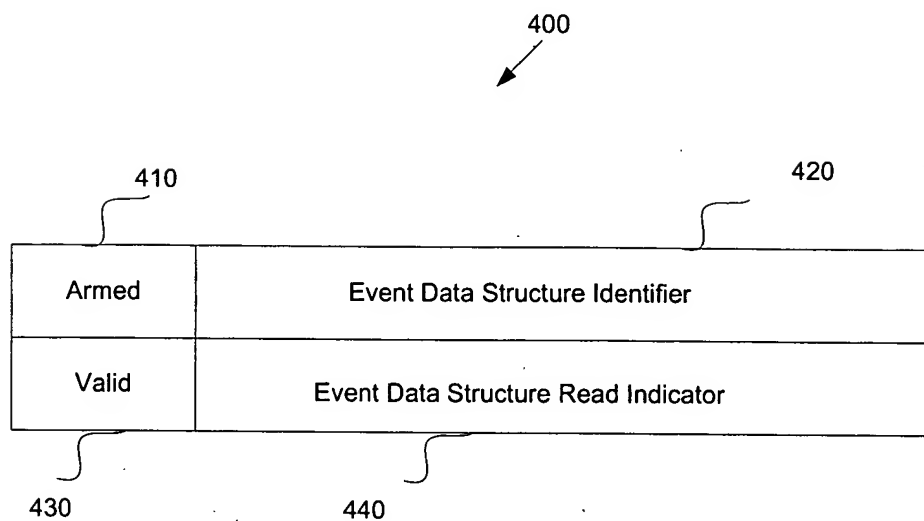


FIG. 4

INTERRUPT SCHEME FOR AN INPUT/OUTPUT DEVICE

Inventors: Gary Tsao, et al.

Docket No.: P19002

Sheet 5/16

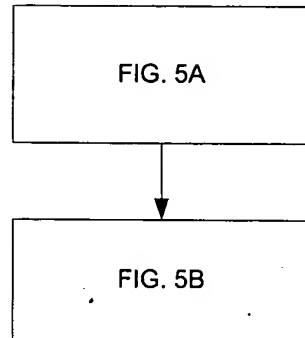


FIG. 5

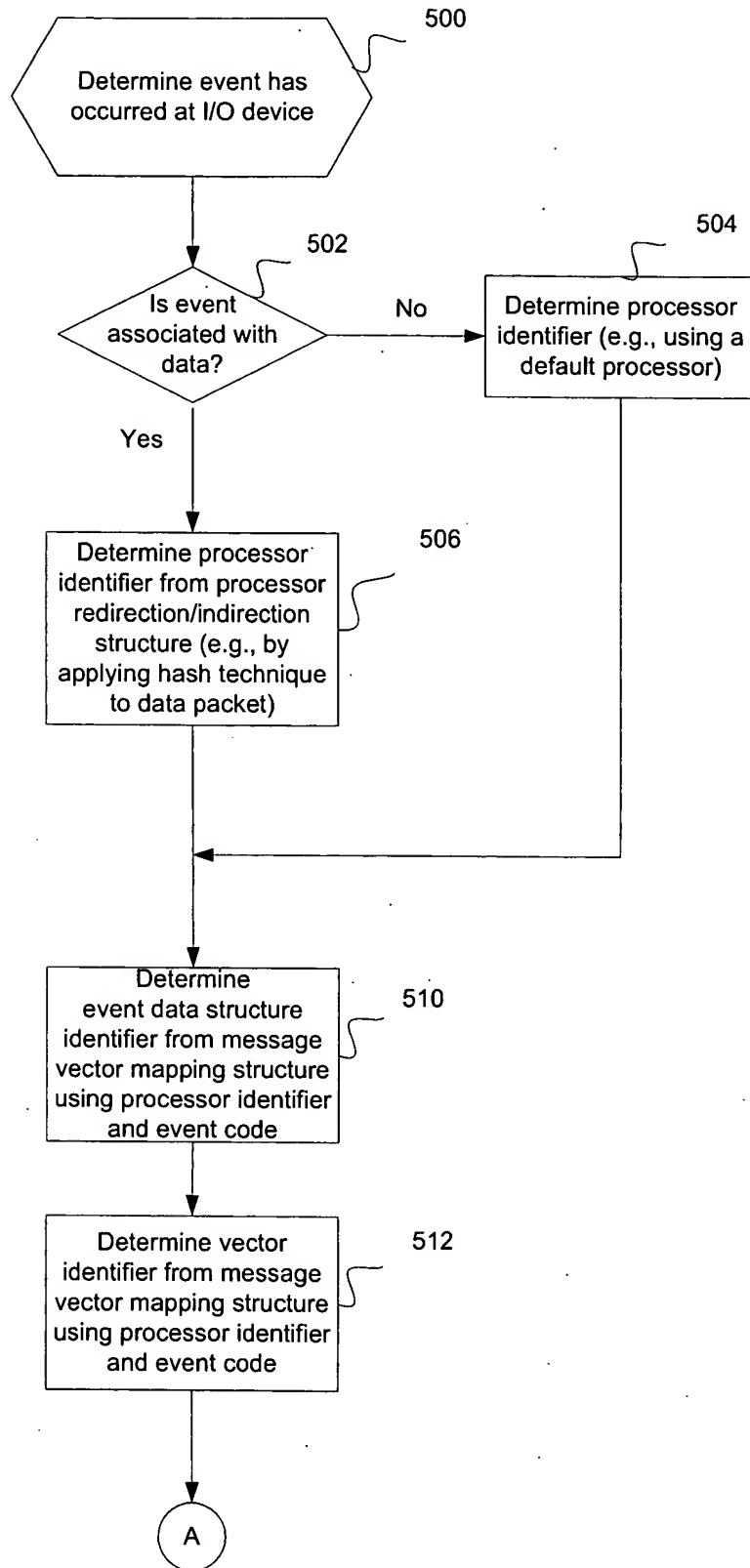


FIG. 5A

INTERRUPT SCHEME FOR AN INPUT/OUTPUT DEVICE

Inventors: Gary Tsao, et al.

Docket No.: P19002

Sheet 7/16

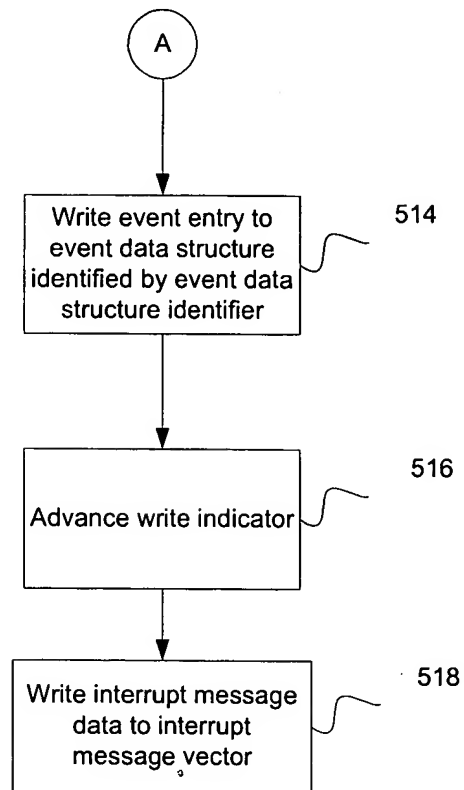


FIG. 5B

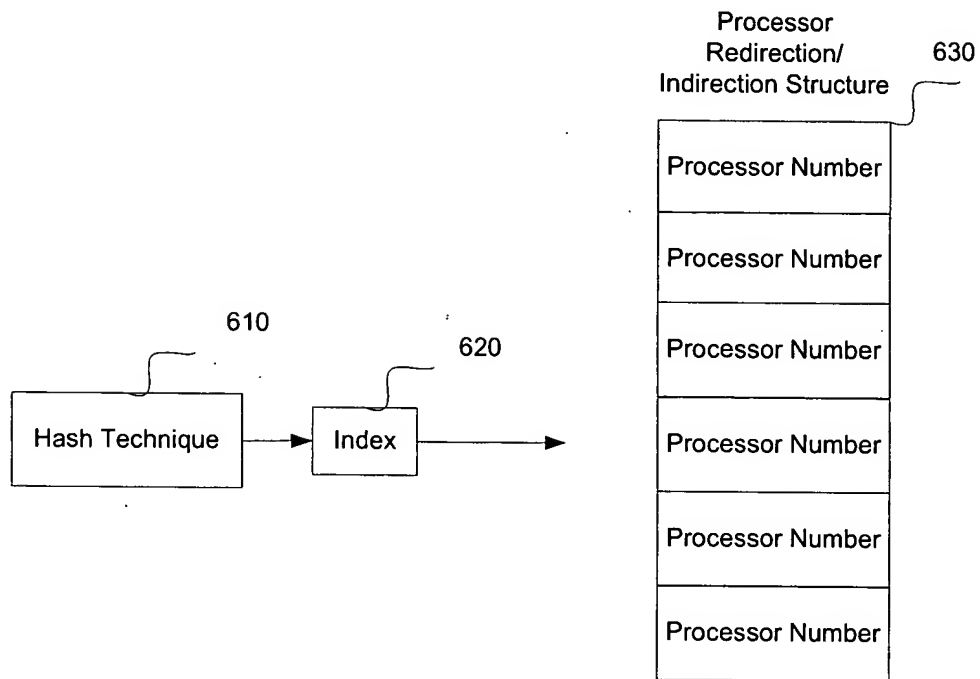


FIG. 6

INTERRUPT SCHEME FOR AN INPUT/OUTPUT DEVICE

Inventors: Gary Tsao, et al.

Docket No.: P19002

Sheet 9/16

700
↙

710		720		Message Vector Mapping Structure		
Function/ Event Code	Processor 0		Processor 1	Processor 2	...	Processor N
RDMA	Event Data Structure Identifier	Vector Identifier				
Channel				
Global				
MGMT trap				

730 740

FIG. 7

INTERRUPT SCHEME FOR AN INPUT/OUTPUT DEVICE

Inventors: Gary Tsao, et al.

Docket No.: P19002

Sheet 10/16

850

860

870

Message Vector Mapping Structure

Function/ Event Code	Processor 0		Processor 1	Processor 2	...	Processor N
RDMA TX	Event Data Structure Identifier	Vector Identifier				
RDMA RX	Event Data Structure Identifier	Vector Identifier				
Channel TX				
Channel RX				
Global - General Purpose I/O (GPIO) Interrupts				
Global - Errors				
MGMT trap				

880

890

FIG. 8

INTERRUPT SCHEME FOR AN INPUT/OUTPUT DEVICE

Inventors: Gary Tsao, et al.

Docket No.: P19002

Sheet 11/16

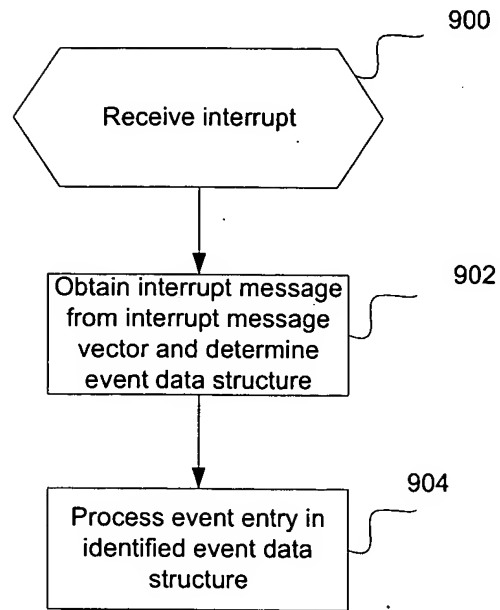


FIG. 9

INTERRUPT SCHEME FOR AN INPUT/OUTPUT DEVICE

Inventors: Gary Tsao, et al.

Docket No.: P19002

Sheet 12/16

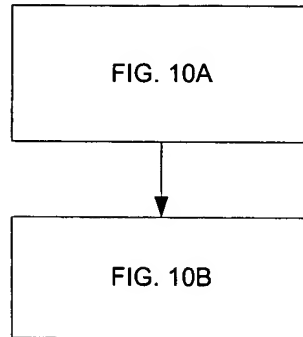


FIG. 10

INTERRUPT SCHEME FOR AN INPUT/OUTPUT DEVICE

Inventors: Gary Tsao, et al.

Docket No.: P19002

Sheet 13/16

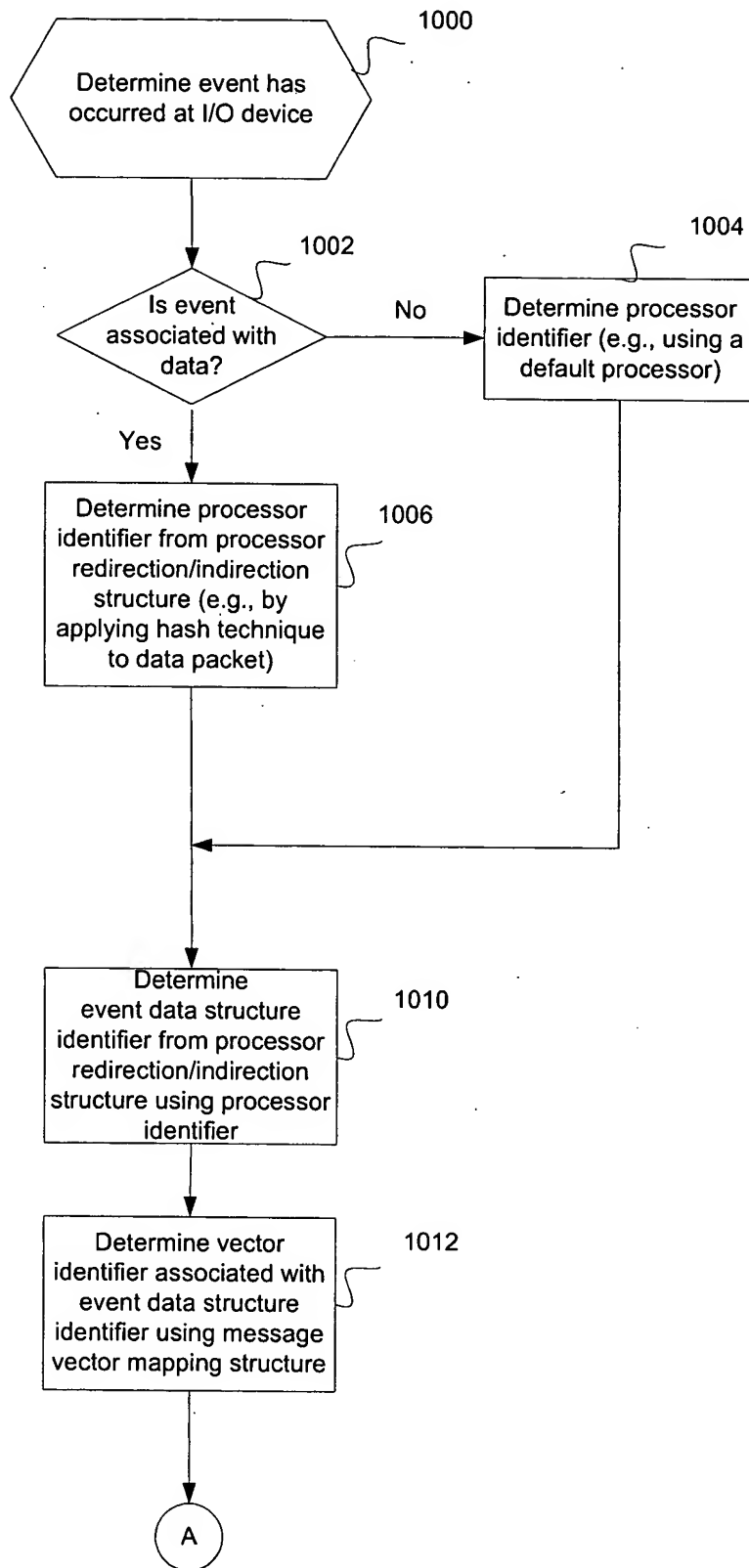


FIG. 10A

INTERRUPT SCHEME FOR AN INPUT/OUTPUT DEVICE

Inventors: Gary Tsao, et al.

Docket No.: P19002

Sheet 14/16

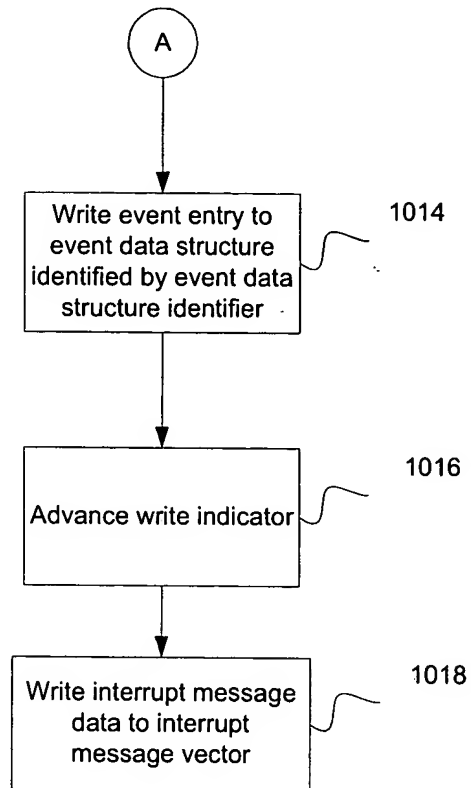


FIG. 10B

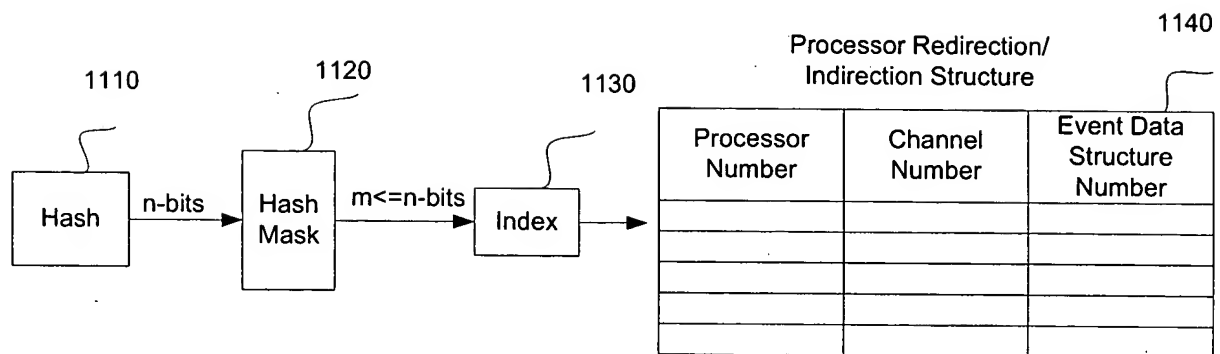


FIG. 11

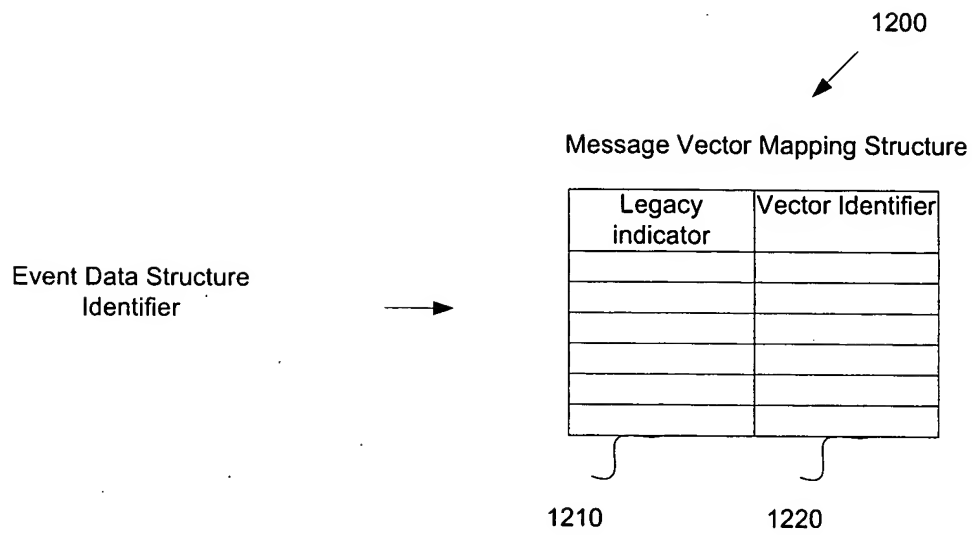


FIG. 12